

1. An airbag assembly comprising:
an inflatable cushion;
a throat in the cushion for receiving an inflator into the cushion; and
a precision opening in the cushion for receiving an inflator squib, the opening
5 having a diameter corresponding in size to the inflator squib.

2. The airbag assembly of claim 1, wherein the inflatable cushion is
constructed of fabric material.

10 3. The airbag assembly of claim 1, wherein the opening is a precision lasered
hole to minimize the passage of inflation fluid through the opening when circumscribing
the inflator squib.

4. The airbag assembly of claim 1, wherein the throat is sealable to prevent
15 the passage of inflation fluid through the throat.

5. The airbag assembly of claim 4, wherein the throat is wrappable around an
inflator housing to seal the throat closed.

20 6. The airbag assembly of claim 1, further comprising an inflator having a
housing and a squib, wherein an electrical connection to the inflator is located on the
inflator squib.

7. The airbag assembly of claim 6, wherein the inflator squib projects out of the opening to outside the inflatable cushion and the inflator housing is contained within the inflatable cushion.

5 8. The airbag assembly of claim 7, wherein the inflator squib has a diameter smaller than a diameter of a portion of the inflator housing.

9. The airbag assembly of claim 1, wherein the inflatable cushion is a knee airbag.

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10. The airbag assembly of claim 1, wherein the inflatable cushion is a side airbag.

11. An airbag assembly, comprising:

an inflatable fabric cushion;

a throat in the inflatable cushion for providing an ingress to insert an inflator into

an interior of the inflatable cushion; and

5 a precision lasered hole in the inflatable cushion for receiving an inflator squib,

the hole having a diameter equivalent to a diameter of the inflator squib.

12. The airbag assembly of claim 11, wherein the throat is sealable to prevent

the passage of inflation fluid through the throat.

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13. The airbag assembly of claim 12, further comprising an inflator having a

housing and a squib, wherein an electrical connection to the inflator is located on the

inflator squib.

15 14. The airbag assembly of claim 13, wherein the throat is wrapped around the

inflator housing to seal the throat closed.

16. The airbag assembly of claim 14, wherein the inflator squib projects out of

the hole to outside the inflatable cushion while the inflator housing is contained within

20 the inflatable cushion.

17. The airbag assembly of claim 15, wherein the inflator squib has a diameter

smaller than a diameter of a portion of the inflator housing.

17. An airbag assembly, comprising:
an inflatable fabric cushion;
an inflator having a housing and a squib, the inflator being partially contained
within the inflatable cushion;

5 a throat in the inflatable cushion through which the inflator can be inserted into
the inflatable cushion; and

a precision opening in the inflatable cushion through which the inflator squib
projects to the outside of the inflatable cushion, the opening having a diameter
corresponding in size to a diameter of the inflator squib.

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18. The airbag assembly of claim 17, wherein the opening is a precision
lasered hole to minimize the passage of inflation fluid through the opening when
circumscribing the inflator squib.

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19. The airbag assembly of claim 17, wherein the throat is wrapped around the
inflator housing to seal the throat closed to prevent the passage of inflation fluid through
the throat.

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20. The airbag assembly of claim 17, wherein the inflator squib has a diameter
smaller than a diameter of a portion of the inflator housing.

21. The airbag assembly of claim 19, wherein the inflator has orthogonally
projecting mounting studs, and the throat includes orifices corresponding in size to the

mounting studs, the orifices engaging the mounting studs when the throat is wrapped around the inflator.

22. An airbag assembly, comprising:

an inflator having a housing, a squib, and mounting studs projecting orthogonally from the housing;

an inflatable fabric cushion having a plurality of orifices corresponding in size to

5 the mounting studs;

a throat in the inflatable cushion through which the inflator can be inserted into the inflatable cushion; and

a precision lasered hole in the inflatable cushion through which the inflator squib projects to the outside of the inflatable cushion, the hole having a diameter equivalent to a

10 diameter of the inflator squib.

23. The airbag assembly of claim 22, wherein the throat is wrapped around the inflator housing to seal the throat closed to prevent the passage of inflation fluid through the throat.

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24. The airbag assembly of claim 23, wherein the orifices engage the mounting studs when the throat is wrapped around the inflator.

25. A method for maintaining a high internal pressure of a fabric airbag, comprising:

obtaining an inflatable fabric cushion having a throat;

5 forming a hole in the fabric cushion with a diameter the same size as a diameter of an inflator squib;

inserting an inflator into the fabric cushion through the throat, the inflator having a housing and a squib;

projecting the inflator squib outside the hole in the fabric cushion while maintaining the inflator housing inside the fabric cushion; and

10 sealing the throat to prevent the passage of inflation fluid through the throat.

26. The method of claim 25, wherein the hole is formed in the fabric cushion through the use of a laser.

15 27. The method of claim 25, wherein the throat is sealed by wrapping the throat around the inflator housing.